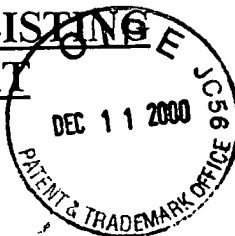
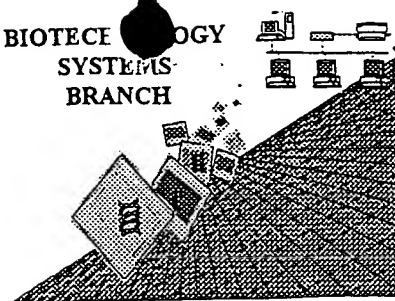


RAW SEQUENCE LISTING
ERROR REPORT



BIOTECHNOLOGY
SYSTEMS
BRANCH



105-000
#4

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/598,042

Source:

01PE

Date Processed by STIC:

6/30/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY
EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT
COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY
or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT,
WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER,
703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October-1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIIPE

RAW SEQUENCE LISTING

DATE: 07/06/2000

PATENT APPLICATION: US/09/598,042

TIME: 17:53:44

Input Set : N:\jumbos\598042.txt

Output Set: N:\CRF3\07062000\I598042.raw

Does Not Comply
Corrected Diskette Needed

```

6 <110> APPLICANT: Tang, Y. Tom
7   Liu, Chenghua
8   Asundi, Vinod
9   Xu, Chongjun
10  Zhou, Ping
11  Ma, Yunqing
12  Wang, Jian-Rui
13  Zhao, Qing A.
14  Ren, Feiyan
15  Chen, Rui-hong
16  Wang, Dunrui
17  Wang, Zhiwei
18  Wehrman, Tom
19  Zhang, Jie
20  Qian, Xiaohong B.
21  Tillinghast, John
22  Drmanac, Radoje T.
25 <120> TITLE OF INVENTION: Novel Nucleic Acids and
26   Polypeptides
30 <130> FILE REFERENCE: 784CIP2
C--> 32 <140> CURRENT APPLICATION NUMBER: US/09/598,042
C--> 33 <141> CURRENT FILING DATE: 2000-06-20
36 <150> PRIOR APPLICATION NUMBER: 09/552,317
37 <151> PRIOR FILING DATE: 2000-04-25
39 <150> PRIOR APPLICATION NUMBER: 09/488,725
40 <151> PRIOR FILING DATE: 2000-01-21
42 <160> NUMBER OF SEQ ID NOS: 331
44 <170> SOFTWARE: pt_FL_genes Version 1.0
50 <210> SEQ ID NO: 1
51 <211> LENGTH: 1630
52 <212> TYPE: DNA
53 <213> ORGANISM: Homo sapiens
55 <220> FEATURE:
56 <221> NAME/KEY: CDS
57 <222> LOCATION: (261)..(1052)
59 <400> SEQUENCE: 1
60   cccgacgtcg catgtccccg gccgccatgg ccgcgggatt ttccccgggc gacgatttcg      60
61   ttttgctcac aggctggagt gcagtgggtc aatctcagct tactgcaacc tccgccagtg      120
62   aggcccttca ttagacacta atttgaagct atggcattcc cccactatga gccacactgt      180
63   cagccaggct atctgccttg atcctagatg aagtggccat tctgcctgcc cctcagaacc      240
64   tctctgtact ctcaaccaac   atg aag cat ctc ttg atg tgg agc cca gtg      290
65                                     Met Lys His Leu Leu Met Trp Ser Pro Val
66                                     1           5           10
W--> 70   atc gcg cct gga gaa aca gtg tac tat tct gtc gaa tac cag ggg gag      338
71   Ile Ala Pro Gly Glu Thr Val Tyr Tyr Ser Val Glu Tyr Gln Gly Glu
W--> 74   11   15 16   20 21   25 26
75   tac gag agc ctg tac acg agc cac atc tgg atc ccc agc agc tgg tgc      386

```

invalid amino
 acid numbering -
 per sequence
 Rules, number
 the amino acids
 under every 5
 amino acids

Also, FYI, do not use TAB codes
 between amino acid numbers;
 use space characters

RAW SEQUENCE LISTING

DATE: 07/06/2000

PATENT APPLICATION: US/09/598,042

TIME: 17:53:44

Input Set : N:\jumbos\598042.txt

Output Set: N:\CRF3\07062000\I598042.raw

```

77 Tyr Glu Ser Leu Tyr Thr Ser His Ile Trp Ile Pro Ser Ser Trp Cys
W--> 78 27 32 37 42
80 tca ctc act gaa ggt cct gag tgt gat gtc act gat gac atc acg gcc 434
81 Ser Leu Thr Glu Gly Pro Glu Cys Asp Val Thr Asp Asp Ile Thr Ala
W--> 82 43 48 53 58
84 act gtg cca tac aac ctt cgt gtc agg gcc aca ttg ggc tca cag acc 482
85 Thr Val Pro Tyr Asn Leu Arg Val Arg Ala Thr Leu Gly Ser Gln Thr
W--> 86 59 64 69 74
88 tca gcc tgg agc atc ctg aag cat ccc ttt aat aga aac tca acc atc 530
89 Ser Ala Trp Ser Ile Leu Lys His Pro Phe Asn Arg Asn Ser Thr Ile
W--> 90 75 80 85 90
92 ctt acc cga cct ggg atg gag atc acc aaa gat ggc ttc cac ctg gtt 578
93 Leu Thr Arg Pro Gly Met Glu Ile Thr Lys Asp Gly Phe His Leu Val
W--> 94 91 96 101 106
96 att gag ctg gag gac ctg ggg ccc cag ttt gag ttc ctt gtg gcc tac 626
97 Ile Glu Leu Glu Asp Leu Gly Pro Gln Phe Glu Phe Leu Val Ala Tyr
W--> 98 107 112 117 122
100 tgg agg agg gag cct ggt gcc gag gaa cat gtc aaa atg gtg agg agt 674
101 Trp Arg Arg Glu Pro Gly Ala Glu Glu His Val Lys Met Val Arg Ser
W--> 102 123 128 133 138
104 ggg ggt att cca gtg cac cta gaa acc atg gag cca ggg gct gca tac 722
105 Gly Gly Ile Pro Val His Leu Glu Thr Met Glu Pro Gly Ala Ala Tyr
W--> 106 139 144 149 154
108 tgt gtg aag gcc cag aca ttc gtg aag gcc att ggg agg tac agc gcc 770
109 Cys Val Lys Ala Gln Thr Phe Val Lys Ala Ile Gly Arg Tyr Ser Ala
W--> 110 155 160 165 170
112 ttc agc cag aca gaa tgt gtg gag gtg caa gga gag gcc att ccc ctg 818
113 Phe Ser Gln Thr Glu Cys Val Glu Val Gln Gly Glu Ala Ile Pro Leu
W--> 114 171 176 181 186
116 gta ctg gcc ctg ttt gcc ttt gtt ggc ttc atg ctg atc ctt gtg gtc 866
117 Val Leu Ala Leu Phe Ala Phe Val Gly Phe Met Leu Ile Leu Val Val
W--> 118 187 192 197 202
120 gtg cca ctg ttc gtc tgg aaa atg ggc cgg ctg ctc cag tac tcc tgt 914
121 Val Pro Leu Phe Val Trp Lys Met Gly Arg Leu Leu Gln Tyr Ser Cys
W--> 122 203 208 213 218
124 tgc ccc gtg gtg gtc ctc cca gac acc ttg aaa ata acc aat tca ccc 962
125 Cys Pro Val Val Val Leu Pro Asp Thr Leu Lys Ile Thr Asn Ser Pro
W--> 126 219 224 229 234
128 cag aag tta atc agc tgc aga agg gag gag gtg gat gcc tgt gcc acg 1010
129 Gln Lys Leu Ile Ser Cys Arg Arg Glu Glu Val Asp Ala Cys Ala Thr
W--> 130 235 240 245 250
132 gct gtg atg tct cct gag gaa ctc ctc agg gcc tgg atc tca taggttt 1059
133 Ala Val Met Ser Pro Glu Glu Leu Leu Arg Ala Trp Ile Ser
W--> 134 251 256 261
136 gcggaaggcc ccagggtgaag ccgagaacct ggtctgcatg acatggaaac catgagggga 1119
138 caagtgtgtt ttctgttttc cgccacggac aagggtatgag agaagtagga agagcctgtt 1179
140 gtctacaagt ttagaagcaa ccatcagagg cagggtggtt tgtctaacag aacactgact 1239
142 gaggttagg ggatgtgacc tctagactgg gggctgccac ttgctgctg agcaaccctg 1299
144 ggaaaagtga cttcatccct tcggctctaa gttttctcat ctgtaatggg ggaattacct 1359

```

*same
error*

RAW SEQUENCE LISTING DATE: 07/06/2000
 PATENT APPLICATION: US/09/598,042 TIME: 17:53:44

Input Set : N:\jumbos\598042.txt
 Output Set: N:\CRF3\07062000\I598042.raw

```

146 acacacctgc taaacacaca cacacagagt ctctctctat atatacacac gtacacataa 1419
148 atacaccag cacttgcaag gctagagggg aactgggtgac actctacagt ctgactgatt 1479
150 cagtgtttct ggagagcagg acataaatgt atgatgagaa tgatcaagga ctctacacac 1539
152 tgggtggctt ggaaagccca ctttcccaga ataatccttg agagaaaaag aatcatggga 1599
154 accatgggtg tgagttcact tcaagcccaa t 1630
159 <210> SEQ ID NO: 2
160 <211> LENGTH: 3186
161 <212> TYPE: DNA
162 <213> ORGANISM: Homo sapiens
164 <220> FEATURE:
165 <221> NAME/KEY: CDS
166 <222> LOCATION: (22)..(1848)
168 <400> SEQUENCE: 2
169 gcgaattggg cccgacgtcg c atg ctc ccg gcc gcc atg gcc gcg gga ttg 51
170 Met Leu Pro Ala Ala Met Ala Ala Gly Leu
W--> 171 1 5
173 tcc ttc atc cac gtg atg tgc ttc ccg ggt cga cga ttt cgt cgg cag 99
174 Ser Phe Ile His Val Met Ser Phe Pro Gly Arg Arg Phe Arg Arg Gln
W--> 175 11 16 21 26
177 gtg gcc cgg ctg ggc cgc act atg cgg ctg cag tgc cca gtg gag ggg 147
178 Val Ala Arg Leu Gly Arg Thr Met Arg Leu Gln Cys Pro Val Glu Gly
W--> 179 27 32 37 42
181 gac ccg ccg ccg ctg acc atg tgg acc aag gat ggc cgc acc atc cac 195
182 Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg Thr Ile His
W--> 183 43 48 53 58
185 agc gcc tgg agc cgc ttc cgc gtg ctg ccg cag ggg ctg aag gtg aag 243
186 Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu Lys Val Lys
W--> 187 59 64 69 74
189 cag gtg gag cgg gag gat gcc gcc gtg tac gtg tgc aag gcc acc aac 291
190 Gln Val Glu Arg Glu Asp Ala Gly Val Tyr Val Cys Lys Ala Thr Asn
W--> 191 75 80 85 90
193 gcc ttc gcc agc ctg agc gtc aac tac acc ctc gtc gtg ctg gat gac 339
194 Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Val Val Leu Asp Asp
W--> 195 91 96 101 106
197 att agc cca ggg aag gag agc ctg ggg ccc gac agc tcc tct ggg ggt 387
198 Ile Ser Pro Gly Lys Glu Ser Leu Gly Pro Asp Ser Ser Ser Gly Gly
W--> 199 107 112 117 122
201 caa gag gac ccc gcc agc cag cag tgg gca cga ccg cgc ttc aca cag 435
202 Gln Glu Asp Pro Ala Ser Gln Gln Trp Ala Arg Pro Arg Phe Thr Gln
W--> 203 123 128 133 138
205 ccc tcc aag atg agg cgc cgg gtg atc gca cgg ccc gtg ggt agc tcc 483
206 Pro Ser Lys Met Arg Arg Arg Val Ile Ala Arg Pro Val Gly Ser Ser
W--> 207 139 144 149 154
209 gtg cgg ctc aag tgc gtg gcc agc ggg cac cct cgg ccc gac atc acg 531
210 Val Arg Leu Lys Cys Val Ala Ser Gly His Pro Arg Pro Asp Ile Thr
W--> 211 155 160 165 170
213 tgg atg aag gac gac cag gcc ttg acg cgc cca gag gcc gct gag ccc 579
214 Trp Met Lys Asp Asp Gln Ala Leu Thr Arg Pro Glu Ala Ala Glu Pro
W--> 215 171 176 181 186

```

same

RAW SEQUENCE LISTING

DATE: 07/06/2000

PATENT APPLICATION: US/09/598,042

TIME: 17:53:44

Input Set : N:\jumbos\598042.txt

Output Set: N:\CRF3\07062000\I598042.raw

217	agg aag aag aag tgg	aca ctg agc ctg aag aac ctg cgg ccg gag gac	627
218	Arg Lys Lys Lys Trp	Thr Leu Ser Leu Lys Asn Leu Arg Pro Glu Asp	
W--> 219	187	192 197	202
221	agc ggc aaa tac acc tgc	cgc gtg tgc aac cgc gcg ggc gcc atc aac	675
222	Ser Gly Lys Tyr Thr	Cys Arg Val Ser Asn Arg Ala Gly Ala Ile Asn	
W--> 223	203	208 213	218
225	gcc acc tac aag gtg gat	gtg atc cag cgg acc cgt tcc aag ccc gtg	723
226	Ala Thr Tyr Lys Val	Asp Val Ile Gln Arg Thr Arg Ser Lys Pro Val	
W--> 227	219	224 229	234
229	ctc aca ggc acg cac ccc	gtg aac acg acg gtg gac ttc ggg ggg acc	771
230	Leu Thr Gly Thr His	Pro Val Asn Thr Thr Val Asp Phe Gly Gly Thr	
W--> 231	235	240 245	250
233	acg tcc ttc cag tgc	aag gtg cgc agc gac gtg aag ccg gtg atc cag	819
234	Thr Ser Phe Gln Cys	Lys Val Arg Ser Asp Val Lys Pro Val Ile Gln	
W--> 235	251	256 261	266
237	tgg ctg aag cgc gtg gag	tac ggc gcc gag ggc cgc cac aac tcc acc	867
238	Trp Leu Lys Arg Val	Glu Tyr Gly Ala Glu Gly Arg His Asn Ser Thr	
W--> 239	267	272 277	282
241	atc gat gtg ggc ggc	cag aag ttt gtg gtg ctg ccc acg ggt gac gtg	915
242	Ile Asp Val Gly Gly	Gln Lys Phe Val Val Leu Pro Thr Gly Asp Val	
W--> 243	283	288 293	298
245	tgg tgc cgg ccc gac ggc	tcc tac ctc aat aag ctg ctc atc acc cgt	963
246	Trp Ser Arg Pro Asp	Gly Ser Tyr Leu Asn Lys Leu Leu Ile Thr Arg	
W--> 247	299	304 309	314
249	gcc cgc cag gac gat	gcg ggc atg tac atc tgc ctt ggc gcc aac acc	1011
250	Ala Arg Gln Asp Asp	Ala Gly Met Tyr Ile Cys Leu Gly Ala Asn Thr	
W--> 251	315	320 325	330
253	atg ggc tac agc ttc	cgc agc gcc ttc ctc acc gtg ctg cca gac cca	1059
254	Met Gly Tyr Ser Phe	Arg Ser Ala Phe Leu Thr Val Leu Pro Asp Pro	
W--> 255	331	336 341	346
257	aaa ccg cca ggg cca	cct gtg gcc tcc tgc tcc tgc gcc act agc ctg	1107
258	Lys Pro Pro Gly Pro	Pro Val Ala Ser Ser Ser Ser Ala Thr Ser Leu	
W--> 259	347	352 357	362
261	ccg tgg ccc gtg gtc	atc ggc atc cca gcc ggc gct gtc ttc atc ctg	1155
262	Pro Trp Pro Val Val	Ile Gly Ile Pro Ala Gly Ala Val Phe Ile Leu	
W--> 263	363	368 373	378
265	ggc acc ctg ctc ctg	tgg ctt tgc cag gcc cag aag aag ccg tgc acc	1203
266	Gly Thr Leu Leu Leu	Trp Leu Cys Gln Ala Gln Lys Lys Pro Cys Thr	
W--> 267	379	384 389	394
269	ccc gcg cct gcc cct	ccc ctg cct ggg cac cgc ccg ccg ggg acg gcc	1251
270	Pro Ala Pro Ala Pro	Pro Leu Pro Gly His Arg Pro Pro Gly Thr Ala	
W--> 271	395	400 405	410
273	cgc gac cgc agc gga	gac aag gac ctt ccc tgc ttg gcc gcc ctc agc	1299
274	Arg Asp Arg Ser Gly	Asp Lys Asp Leu Pro Ser Leu Ala Ala Leu Ser	
W--> 275	411	416 421	426
277	gct ggc cct ggt gtg	ggg ctg tgt gag gag cat ggg tct ccg gca gcc	1347
278	Ala Gly Pro Gly Val	Gly Leu Cys Glu Glu His Gly Ser Pro Ala Ala	
W--> 279	427	432 437	442
281	ccc cag cac tta ctg	ggc cca ggc cca gtt gct ggc cct aag ttg tac	1395

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/598,042
 DATE: 07/06/2000
 TIME: 17:53:44

Input Set : N:\jumbos\598042.txt
 Output Set: N:\CRF3\07062000\I598042.raw

282 Pro Gln His Leu Leu Gly Pro Gly Pro Val Ala Gly Pro Lys Leu Tyr
 W--> 283 443 448 453 458 1443
 285 ccc aaa ctc tac aca gac atc cac aca cac aca cac tgt att gcg gcc
 286 Pro Lys Leu Tyr Thr Asp Ile His Thr His Thr His Cys Ile Ala Ala
 W--> 287 459 464 469 474
 289 gcc tgt gtg agg agc atg ggt ctc cgg cag ccc ccc agc act tac tgg 1491
 290 Ala Cys Val Arg Ser Met Gly Leu Arg Gln Pro Pro Ser Thr Tyr Trp
 W--> 291 475 480 485 490
 293 gcc cag gcc cag ttg ctg gcc cta agt tgt acc cca aac tct aca cag 1539
 294 Ala Gln Ala Gln Leu Leu Ala Leu Ser Cys Thr Pro Asn Ser Thr Gln
 W--> 295 491 496 501 506
 297 aca tcc aca cac aca cac aca cac act ctc aca cac act cac acg tgg 1587
 298 Thr Ser Thr His Thr His Thr His Thr Leu Thr His Thr His Thr Trp
 W--> 299 507 512 517 522
 301 agg gca agg tcc acc agc aca tcc act atc agt gct aga cgg cac cgt 1635
 302 Arg Ala Arg Ser Thr Ser Thr Ser Thr Ile Ser Ala Arg Arg His Arg
 W--> 303 523 528 533 538
 305 atc tgc aga ggg cac ggg ggg gcc ggc cag aca ggc aga ctg gga gga 1683
 306 Ile Cys Arg Gly His Gly Gly Ala Gly Gln Thr Gly Arg Leu Gly Gly
 W--> 307 539 544 549 554
 309 tgg agg acg gag ctg cag acg aag gca ggg gac cca tgg cga gga gga 1731
 310 Trp Arg Thr Glu Leu Gln Thr Lys Ala Gly Asp Pro Trp Arg Gly Gly
 W--> 311 555 560 565 570
 313 atg gcc agc acc cca ggc agt ctg tgt gtg agg cat agc ccc tgg aca 1779
 314 Met Ala Ser Thr Pro Gly Ser Leu Cys Val Arg His Ser Pro Trp Thr
 W--> 315 571 576 581 586
 317 cac aca cac aga cac aca cac tac ctg gat gca tgt atg cac aca cat 1827
 318 His Thr His Arg His Thr His Tyr Leu Asp Ala Cys Met His Thr His
 W--> 319 587 592 597 602
 321 gcg cgc aca cgt gct ccc tga ag gcacacgtac gcacacacgc acatgcacag 1880
 322 Ala Arg Thr Arg Ala Pro *
 W--> 323 603 608
 325 atatgccgcc tgggcacaca gataagctgc ccaaatgcac gcacacgcac agagacatgc 1940
 327 cagaacatac aaggacatgc tgcctgaaca tacacacgca caccatgcg cagatgtgct 2000
 329 gccctggacac acacacacac acgcatatgc tgcctggacg cacacacgtg cagatattgt 2060
 331 atccggacac acacgtgcac agatattgct cctggacaca cagataatgc tgccttgaca 2120
 333 cacacatgca cggatattgc ctggacacac acacacacac gtgtgcacag atattgctgc 2180
 335 tggacacgca cacacatgca gatattgctgc ctggacacac acttcacag acacgtgcac 2240
 337 aggcgcagat atgctgctgc gacacacgcg gatattgctgt ctatgcacac acacacgcag 2300
 339 acatgctgct cggacacaca cagcgcacga cagatattgct gtcgggacac acacacgcac 2360
 341 gcagatatgc tgcctggaca cacacacaga taatgctgct tcaacactca cacacgtgca 2420
 343 gatattgctc ggacacacac atgtgcacag atattgctgc tggacatgca cacacgtgca 2480
 345 gatattgctc ccggatacac acgcacgcac acatgcagat atgctgcctg ggcacacact 2540
 347 tccggacaca catgcacaca cagggtcaga tatgctgctc ggacacacgc agactgacgt 2600
 349 gcttttggga ggggtgtgct tgaagcctgc agtactgtgc ccgtgaggct catagttgat 2660
 351 gagggacttt cccctgctcca ccgtactccc cccaactctg cccgcctctg tccccgcctc 2720
 353 agtccccgcc tccatccccg cotctgtccc ctggccttgg cggctatttt tgcacactgc 2780
 355 ctggggtgcc caggagtcgc ctactgctgt gggctgggggt tgggggcaca gcagcccaaa 2840
 357 gctgagagg ctggagccca tggctagtgg ctcattccca ctgcattctc ccctgcacac 2900

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 07/06/2000

PATENT APPLICATION: US/09/598,042

TIME: 17:53:45

Input Set : N:\jumbos\598042.txt

Output Set: N:\CRF3\07062000\I598042.raw

L:32 M:270 C: Current Application Number differs, Replaced Current Application Number
L:33 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:70 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:74 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:78 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:82 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:86 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:98 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:102 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:106 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:114 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:118 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:122 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:126 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:130 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:134 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:171 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:175 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:179 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:183 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:187 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:191 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:195 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:199 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:203 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:207 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:211 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:215 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:219 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:223 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:227 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:231 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:235 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:239 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:243 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:247 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:251 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:255 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:259 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:263 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:267 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:271 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:275 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:279 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:283 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2

VERIFICATION SUMMARY

DATE: 07/06/2000

PATENT APPLICATION: US/09/598,042

TIME: 17:53:45

Input Set : N:\jumbos\598042.txt

Output Set: N:\CRF3\07062000\I598042.raw

L:287 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:291 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:295 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:299 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:4084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:5765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:6785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:11220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:11606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:11608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:14744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:15911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:21216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:22869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103
L:25323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116
L:26165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:26169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:26406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125
L:26408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125
L:31573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:31575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:31712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160
L:31714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160
L:35204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:35363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189
L:35449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
L:35619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:35753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191
L:37012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199
L:37371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201
L:37513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:38005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:38538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209
L:39649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217
L:42405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234
L:42407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234
L:43387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243
L:43603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244
L:44239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:249
L:46042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:262
L:46044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:262
L:46506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:267

VERIFICATION SUMMARY

DATE: 07/06/2000

PATENT APPLICATION: US/09/598,042

TIME: 17:53:45

Input Set : N:\jumbos\598042.txt

Output Set: N:\CRF3\07062000\I598042.raw

L:48220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282
L:49481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292
L:52665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311
L:54653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323